

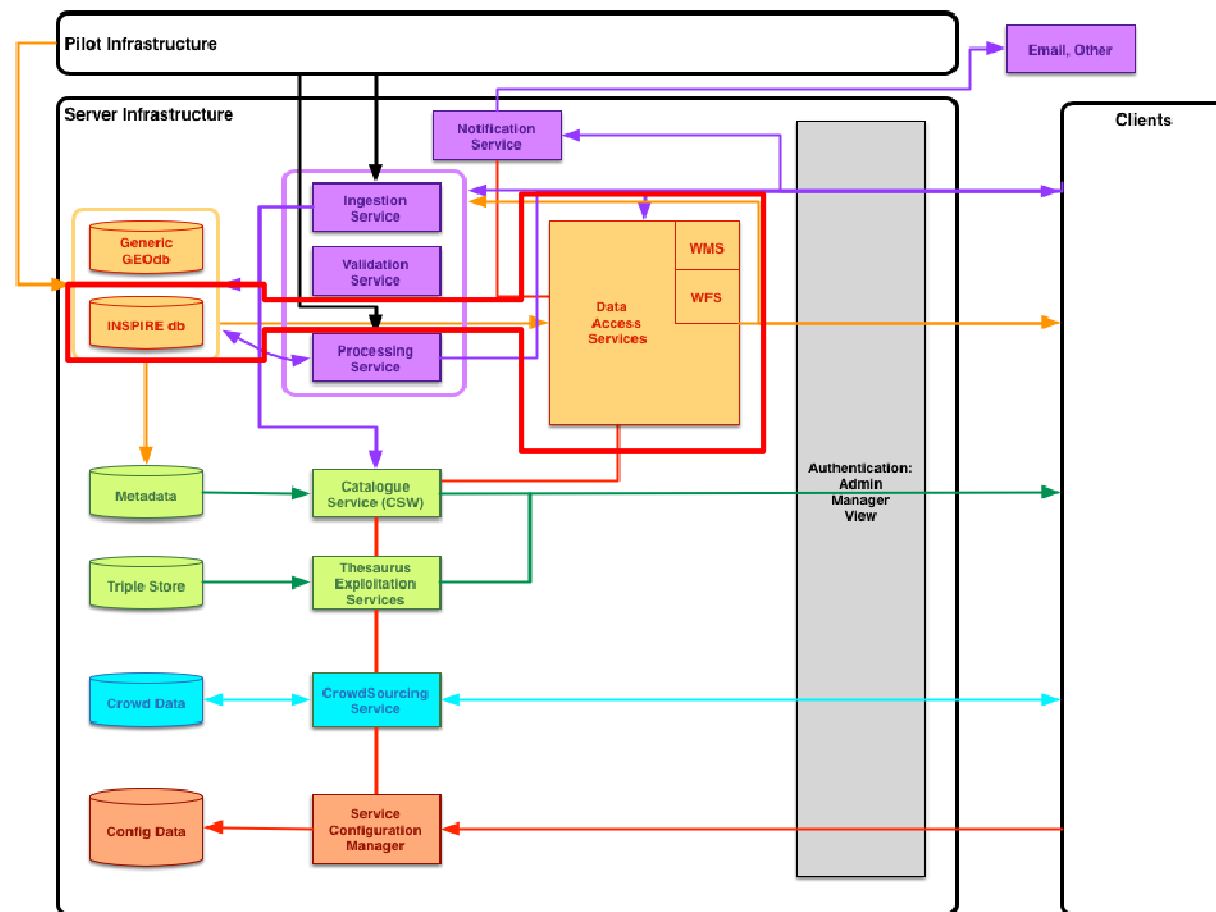
T5.3

Data Access Services

Alessio Giori
Fondazione Graphitech

eENVplus T5.3 Data Access Services

- Deegree 3.3.13
- INSPIRE View & Download Service
- WFS-T GML ingestion
- Already deployed in the eENVplus infrastructure
 - <http://eenvplus.sinergis.it/deegree>



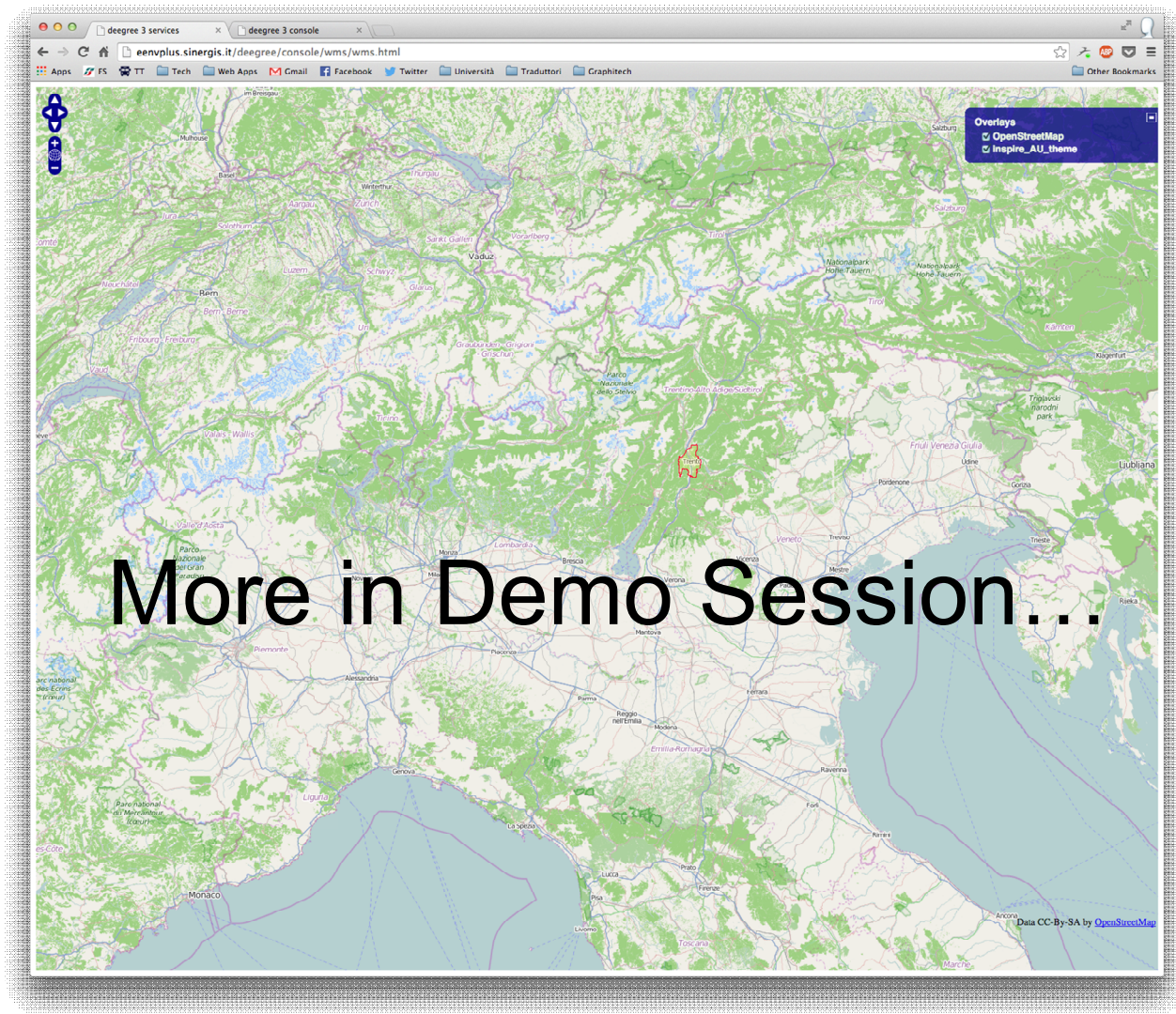
■ Available Functionalities:

- ☐ WFS-T InsertFeature
- ☐ WFS GetCapabilities
- ☐ WFS GetFeature
- ☐ WFS GetFeatureById

- ☐ WMS GetCapabilities
- ☐ WMS GetMap

```
WFS-T insert AU.xml
1 <?xml version="1.0" encoding="utf-8"?>
2 <wfs:Transaction xmlns:wfs="http://www.opengis.net/wfs/2.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:base="urn:x-inspire:specification:gmlas:BaseTypes:3.2" >
3   <wfs:Insert handle="insert">
4     <gml:FeatureCollection xmlns:base="urn:x-inspire:specification:gmlas:BaseTypes:3.2" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:stat="urn:x-inspire:s
5       <gml:featureMember>
6         <au:AdministrativeUnit gml:id="Comune_22161">
7           <au:geometry>
8             <gml:MultiSurface gml:id="MS_22161" srsName="urn:ogc:def:crs:EPSG::4326">
9               <gml:surfaceMember>
10                 <gml:Polygon gml:id="LOCAL_ID_7878">
11                   <gml:exterior>
12                     <gml:LinearRing>
13                       <gml:posList srsDimension="2" count="2071">45.9038886699 11.0591301903 45.9039571070 11.0588099726 45.9040184778 11.0586
14                     </gml:LinearRing>
15                   </gml:exterior>
16                 </gml:Polygon>
17               </gml:surfaceMember>
18             </gml:MultiSurface>
19           </au:geometry>
20           <au:nationalCode>22161</au:nationalCode>
21           <au:inspireId>
22             <base:Identifier>
23               <base:localId>22161</base:localId>
24               <base:namespace>AU.IT.ISTAT.COMUNI</base:namespace>
25             </base:Identifier>
26           </au:inspireId>
27           <au:nationalLevel>http://inspire.ec.europa.eu/codelist/AdministrativeHierarchyLevel/4thOrder</au:nationalLevel>
28           <au:nationalLevelName>
29             <gmd:LocalisedCharacterString>Comune</gmd:LocalisedCharacterString>
30           </au:nationalLevelName>
31           <au:country>
32             <gmd:Country codeListValue="IT" codeList="http://inspire.ec.europa.eu/codelist/CountryCode/">
33           </au:country>
34           <au:name>
35             <gn:GeographicalName>
36               <gn:language>ita</gn:language>
37               <gn:nativeness>endonym</gn:nativeness>
38               <gn:nameStatus>official</gn:nameStatus>
39               <gn:sourceOfName nilReason="Unknown" xsi:nil="true"/>
40               <gn:pronunciation>
41                 <gn:PronunciationOfName>
42                   <gn:pronunciationIPA>Rovereto</gn:pronunciationIPA>
43                 </gn:PronunciationOfName>
44               </gn:pronunciation>
45               <gn:spelling>
46                 <gn:SpellingOfName>
47                   <gn:text>Rovereto</gn:text>
48                   <gn:script>Latn</gn:script>
49                 </gn:SpellingOfName>
50               </gn:spelling>
51             </gn:GeographicalName>
52           </au:name>
53           <au:residenceOfAuthority nilReason="Unknown" xsi:nil="true"/>
54           <au:beginLifespanVersion>2013-11-20T14:12:20</au:beginLifespanVersion>
55           <au:NUTS nilReason="Unknown" xsi:nil="true"/>
56           <au:boundary nilReason="Unknown" xsi:nil="true"/>
57         </au:AdministrativeUnit>
58       </gml:featureMember>
59     </gml:FeatureCollection>
60   </wfs:Insert>
61 </wfs:Transaction>
62
```

```
wfs-getFeature.xml
405155 <au:boundary xs:nil="true"/>
405156 </au:AdministrativeUnit>
405157 </wfs:member>
405158 </wfs:member>
405159 <au:AdministrativeUnit xmlns:au="urn:x-inspire:specification:gmlas:AdministrativeUnits:3.0" gml:id="AU_ADMINISTRATIVEUNIT_2e03d4e6-fc8e-43a6-9e2c-a3e6e5a089ac">
405160 <au:geometry>
405161 <!--Inlined geometry 'AU_ADMINISTRATIVEUNIT_2e03d4e6-fc8e-43a6-9e2c-a3e6e5a089ac_AU_GEOMETRY'-->
405162 <gml:MultiSurface gml:id="AU_ADMINISTRATIVEUNIT_2e03d4e6-fc8e-43a6-9e2c-a3e6e5a089ac_AU_GEOMETRY" srsName="urn:ogc:def:crs:EPSG::4258">
405163 <gml:surfaceMember>
405164 <gml:Polygon gml:id="GEOMETRY_b0d5e84d-8aef-41b5-8852-0920da8cfae" srsName="urn:ogc:def:crs:EPSG::4258">
405165 <gml:exterior>
405166 <gml:LinearRing>
405167 <gml:posList>46.140838 11.725868 46.140878 11.725491 46.140800 11.725259 46.140778 11.725108 46.140780 11.724790 46.140763 11.724429 46.140744 11.724100 46.140718 11.723775 46.140690 11.723442 46.140662 11.723110 46.140634 11.722777 46.140606 11.722444 46.140578 11.722111 46.140550 11.721778 46.140522 11.721445 46.140494 11.721112 46.140466 11.720779 46.140438 11.720446 46.140410 11.720113 46.140382 11.719780 46.140354 11.719447 46.140326 11.719114 46.140298 11.718781 46.140270 11.718448 46.140242 11.718115 46.140214 11.717782 46.140186 11.717449 46.140158 11.717116 46.140130 11.716783 46.140102 11.716450 46.140074 11.716117 46.140046 11.715784 46.140018 11.715451 46.140000 11.715118 46.139972 11.714785 46.139944 11.714452 46.139916 11.714119 46.139890 11.714452 46.139862 11.714119 46.139834 11.713786 46.139806 11.713453 46.139778 11.713120 46.139750 11.712787 46.139722 11.712454 46.139694 11.712121 46.139666 11.711788 46.139638 11.711455 46.139610 11.711122 46.139582 11.710789 46.139554 11.710456 46.139526 11.710123 46.139498 11.709790 46.139466 11.709457 46.139429 46.139391 46.139353 46.139315 46.139277 46.139239 46.139201 46.139163 46.139125 46.139087 46.139049 46.139011 46.138973 46.138935 46.138897 46.138859 46.138821 46.138783 46.138745 46.138707 46.138669 46.138631 46.138593 46.138555 46.138517 46.138479 46.138441 46.138403 46.138365 46.138327 46.138289 46.138251 46.138213 46.138175 46.138137 46.138099 46.138061 46.138023 46.137985 46.137947 46.137909 46.137871 46.137833 46.137795 46.137757 46.137719 46.137681 46.137643 46.137605 46.137567 46.137529 46.137491 46.137453 46.137415 46.137377 46.137339 46.137301 46.137263 46.137225 46.137187 46.137149 46.137111 46.137073 46.137035 46.136997 46.136959 46.136921 46.136883 46.136845 46.136807 46.136769 46.136731 46.136693 46.136655 46.136617 46.136579 46.136541 46.136503 46.136465 46.136427 46.136389 46.136351 46.136313 46.136275 46.136237 46.136199 46.136161 46.136123 46.136085 46.136047 46.136009 46.135971 46.135933 46.135895 46.135857 46.135819 46.135781 46.135743 46.135705 46.135667 46.135629 46.135591 46.135553 46.135515 46.135477 46.135439 46.135401 46.135363 46.135325 46.135287 46.135249 46.135211 46.135173 46.135135 46.135097 46.135059 46.135021 46.134983 46.134945 46.134907 46.134869 46.134831 46.134793 46.134755 46.134717 46.134679 46.134641 46.134603 46.134565 46.134527 46.134489 46.134451 46.134413 46.134375 46.134337 46.134299 46.134261 46.134223 46.134185 46.134147 46.134109 46.134071 46.134033 46.133995 46.133957 46.133919 46.133881 46.133843 46.133805 46.133767 46.133729 46.133691 46.133653 46.133615 46.133577 46.133539 46.133501 46.133463 46.133425 46.133387 46.133349 46.133311 46.133273 46.133235 46.133197 46.133159 46.133121 46.133083 46.133045 46.133007 46.132969 46.132931 46.132893 46.132855 46.132817 46.132779 46.132741 46.132703 46.132665 46.132627 46.132589 46.132551 46.132513 46.132475 46.132437 46.132399 46.132361 46.132323 46.132285 46.132247 46.132209 46.132171 46.132133 46.132095 46.132057 46.132019 46.131981 46.131943 46.131905 46.131867 46.131829 46.131791 46.131753 46.131715 46.131677 46.131639 46.131601 46.131563 46.131525 46.131487 46.131449 46.131411 46.131373 46.131335 46.131297 46.131259 46.131221 46.131183 46.131145 46.131107 46.131069 46.131031 46.130993 46.130955 46.130917 46.130879 46.130841 46.130803 46.130765 46.130727 46.130689 46.130651 46.130613 46.130575 46.130537 46.130499 46.130461 46.130423 46.130385 46.130347 46.130309 46.130271 46.130233 46.130195 46.130157 46.130119 46.130081 46.130043 46.130005 46.129967 46.129929 46.129891 46.129853 46.129815 46.129777 46.129739 46.129701 46.129663 46.129625 46.129587 46.129549 46.129511 46.129473 46.129435 46.129397 46.129359 46.129321 46.129283 46.129245 46.129207 46.129169 46.129131 46.129093 46.129055 46.129017 46.128979 46.128941 46.128903 46.128865 46.128827 46.128789 46.128751 46.128713 46.128675 46.128637 46.128599 46.128561 46.128523 46.128485 46.128447 46.128409 46.128371 46.128333 46.128295 46.128257 46.128219 46.128181 46.128143 46.128105 46.128067 46.128029 46.127991 46.127953 46.127915 46.127877 46.127839 46.127801 46.127763 46.127725 46.127687 46.127649 46.127611 46.127573 46.127535 46.127497 46.127459 46.127421 46.127383 46.127345 46.127307 46.127269 46.127231 46.127193 46.127155 46.127117 46.127079 46.127041 46.127003 46.126965 46.126927 46.126889 46.126851 46.126813 46.126775 46.126737 46.126699 46.126661 46.126623 46.126585 46.126547 46.126509 46.126471 46.126433 46.126395 46.126357 46.126319 46.126281 46.126243 46.126205 46.126167 46.126129 46.126091 46.126053 46.126015 46.125977 46.125939 46.125901 46.125863 46.125825 46.125787 46.125749 46.125711 46.125673 46.125635 46.125597 46.125559 46.125521 46.125483 46.125445 46.125407 46.125369 46.125331 46.125293 46.125255 46.125217 46.125179 46.125141 46.125103 46.125065 46.125027 46.124989 46.124951 46.124913 46.124875 46.124837 46.124799 46.124761 46.124723 46.124685 46.124647 46.124609 46.124571 46.124533 46.124495 46.124457 46.124419 46.124381 46.124343 46.124305 46.124267 46.124229 46.124191 46.124153 46.124115 46.124077 46.124039 46.124001 46.123963 46.123925 46.123887 46.123849 46.123811 46.123773 46.123735 46.123697 46.123659 46.123621 46.123583 46.123545 46.123507 46.123469 46.123431 46.123393 46.123355 46.123317 46.123279 46.123241 46.123203 46.123165 46.123127 46.123089 46.123051 46.123013 46.122975 46.122937 46.122899 46.122861 46.122823 46.122785 46.122747 46.122709 46.122671 46.122633 46.122595 46.122557 46.122519 46.122481 46.122443 46.122405 46.122367 46.122329 46.122291 46.122253 46.122215 46.122177 46.122139 46.122101 46.122063 46.122025 46.121987 46.121949 46.121911 46.121873 46.121835 46.121797 46.121759 46.121721 46.121683 46.121645 46.121607 46.121569 46.121531 46.121493 46.121455 46.121417 46.121379 46.121341 46.121303 46.121265 46.121227 46.121189 46.121151 46.121113 46.121075 46.121037 46.121000 46.120962 46.120924 46.120886 46.120848 46.120810 46.120772 46.120734 46.120696 46.120658 46.120620 46.120582 46.120544 46.120506 46.120468 46.120430 46.120392 46.120354 46.120316 46.120278 46.120240 46.120202 46.120164 46.120126 46.120088 46.120050 46.120012 46.119974 46.119936 46.119898 46.119860 46.119822 46.119784 46.119746 46.119708 46.119670 46.119632 46.119594 46.119556 46.119518 46.119480 46.119442 46.119404 46.119366 46.119328 46.119290 46.119252 46.119214 46.119176 46.119138 46.119100 46.119062 46.119024 46.118986 46.118948 46.118910 46.118872 46.118834 46.118796 46.118758 46.118720 46.118682 46.118644 46.118606 46.118568 46.118530 46.118492 46.118454 46.118416 46.118378 46.118340 46.118302 46.118264 46.118226 46.118188 46.118150 46.118112 46.118074 46.118036 46.117998 46.117960 46.117922 46.117884 46.117846 46.117808 46.117770 46.117732 46.117694 46.117656 46.117618 46.117580 46.117542 46.117504 46.117466 46.117428 46.117390 46.117352 46.117314 46.117276 46.117238 46.117200 46.117162 46.117124 46.117086 46.117048 46.117010 46.116972 46.116934 46.116896 46.116858 46.116820 46.116782 46.116744 46.116706 46.116668 46.116630 46.116592 46.116554 46.116516 46.116478 46.116440 46.116402 46.116364 46.116326 46.116288 46.116250 46.116212 46.116174 46.116136 46.116098 46.116060 46.116022 46.115984 46.115946 46.115908 46.115870 46.115832 46.115794 46.115756 46.115718 46.115680 46.115642 46.115604 46.115566 46.115528 46.115490 46.115452 46.115414 46.115376 46.115338 46.115300 46.115262 46.115224 46.115186 46.115148 46.115110 46.115072 46.115034 46.114996 46.114958 46.114920 46.114882 46.114844 46.114806 46.114768 46.114730 46.114692 46.114654 46.114616 46.114578 46.114540 46.114502 46.114464 46.114426 46.114388 46.114350 46.114312 46.114274 46.114236 46.114198 46.114160 46.114122 46.114084 46.114046 46.114008 46.113970 46.113932 46.113894 46.113856 46.113818 46.113780 46.113742 46.113704 46.113666 46.113628 46.113590 46.113552 46.113514 46.113476 46.113438 46.113400 46.113362 46.113324 46.113286 46.113248 46.113210 46.113172 46.113134 46.113096 46.113058 46.113020 46.112982 46.112944 46.112906 46.112868 46.112830 46.112792 46.112754 46.112716 46.112678 46.112640 46.112602 46.112564 46.112526 46.112488 46.112450 46.112412 46.112374 46.112336 46.112298 46.112260 46.112222 46.112184 46.112146 46.112108 46.112070 46.112032 46.111994 46.111956 46.111918 46.111880 46.111842 46.111804 46.111766 46.111728 46.111690 46.111652 46.111614 46.111576 46.111538 46.111500 46.111462 46.111424 46.111386 46.111348 46.111310 46.111272 46.111234 46.111196 46.111158 46.111120 46.111082 46.111044 46.111006 46.110968 46.110930 46.110892 46.110854 46.110816 46.110778 46.110740 46.110702 46.110664 46.110626 46.110588 46.110550 46.110512 46.110474 46.110436 46.110398 46.110360 46.110322 46.110284 46.110246 46.110208 46.110170 46.110132 46.110094 46.110056 46.110018 46.109980 46.109942 46.109904 46.109866 46.109828 46.109790 46.109752 46.109714 46.109676 46.109638 46.109600 46.109562 46.109524 46.109486 46.109448 46.109410 46.109372 46.109334 46.109296 46.109258 46.109220 46.109182 46.109144 46.109106 46.109068 46.109030 46.108992 46.108954 46.108916 46.108878 46.108840 46.108802 46.108764 46.108726 46.108688 46.108650 46.108612 46.108574 46.108536 46.108498 46.108460 46.108422 46.108384 46.108346 46.108308 46.108270 46.108232 46.108194 46.108156 46.108118 46.108080 46.108042 46.108004 46.107966 46.107928 46.107890 46.107852 46.107814 46.107776 46.107738 46.107700 46.107662 46.107624 46.107586 46.107548 46.107510 46.107472 46.107434 46.107396 46.107358 46.107320 46.107282 46.107244 46.107206 46.107168 46.107130 46.107092 46.107054 46.107016 46.106978 46.106940 46.106902 46.106864 46.106826 46.106788 46.106750 46.106712 46.106674 46.106636 46.106598 46.106560 46.106522 46.106484 46.106446 46.106408 46.106370 46.106332 46.106294 46.106256 46.106218 46.106180 46.106142 46.106104 46.106066 46.106028 46.105990 46.105952 46.105914 46.105876 46.105838 46.105800 46.105762 46.105724 46.105686 46.105648 46.105610 46.105572 46.105534 46.105496 46.105458 46.105420 46.105382 46.105344 46.105306 46.105268 46.105230 46.105192 46.105154 46.105116 46.105078 46.105040 46.105002 46.104964 46.104926 46.104888 46.104850 46.104812 46.104774 46.104736 46.104698 46.104660 46.104622 46.104584 46.104546 46.104508 46.104470 46.104432 46.104394 46.104356 46.104318 46.104280 46.104242 46.104204 46.104166 46.104128 46.104090 46.104052 46.104014 46.103976 46.103938 46.103900 46.103862 46.103824 46.103786 46.103748 46.103710 46.103672 46.103634 46.103596 46.103558 46.103520 46.103482 46.103444 46.103406 46.103368 46.103330 46.103292 46.103254 46.103216 46.103178 46.103140 46.103102 46.103064 46.103026 46.102988 46.102950 46.102912 46.102874 46.102836 46.102798 46.102760 46.102722 46.102684 46.102646 46.102608 46.102570 46.102532 46.102494 46.102456 46.102418 46.102380 46.102342 46.102304 46.102266 46.102228 46.102190 46.102152 46.102114 46.102076 46.102038 46.102000 46.101962 46.101924 46.101886 46.101848 46.101810 46.101772 46.101734 46.101696 46.101658 46.101620 46.101582 46.101544 46.101506 46.101468 46.101430 46.101392 46.101354 46.101316 46.101278 46.101240 46.101202 46.101164 46.101126 46.101088 46.101050 46.101012 46.100974 46.100936 46.100898 46.100860 46.100822 46.100784 46.100746 46.100708 46.100670 46.100632 46.100594 46.100556 46.100518 46.100480 46.100442 46.100404 46.100366 46.100328 46.100290 46.100252 46.100214 46.100176 46.100138 46.100100 46.100062 46.100024 46.099986 46.099948 46.099910 46.099872 46.099834 46.099796 46.099758 46.099720 46.099682 46.099644 46.099606 46.099568 46.099530 46.099492 46.099454 46.099416 46.099378 46.099340 46.099302 46.099264 46.099226 46.099188 46.099150 46.099112 46.099074 46.099036 46.099000 46.098962 46.098924 46.098886 46.098848 46.098810 46.098772 46.098734 46.098696 46.098658 46.098620 46.098582 46.
```



Thank you!